

WIDE AREA LOAD SHARING CONTROL SYSTEM

10 NETWORK CONTROL SERVER

- STATISTIC INFORMATION GATHERING FUNCTION (ON)
- ROUTE CALCULATING FUNCTION (ON)
- LOAD SHARING CALCULATING FUNCTION (ON)
- LABEL PATH ESTABLISHING FUNCTION (OFF)

SWITCH-OVER

EDGE ROUTER (ER)

- STATISTIC INFORMATION GATHERING FUNCTION (OFF)
- ROUTE CALCULATING FUNCTION (OFF)
- LOAD SHARING CALCULATING FUNCTION (ON)
- LABEL PATH ESTABLISHING FUNCTION (ON)

LABEL PATH SET-UP INDICATION

LOAD SHARING INDICATION

CORE ROUTER (CR)

TRAFFIC ENGINEERING SECTION

TRAFFIC SWITCHING NETWORK

FORWARDING PATH

(A)

(B)

10 NETWORK CONTROL SERVER

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SWITCH-OVER

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FORWARDING PATH

20 LABEL SWITCHING NETWORK

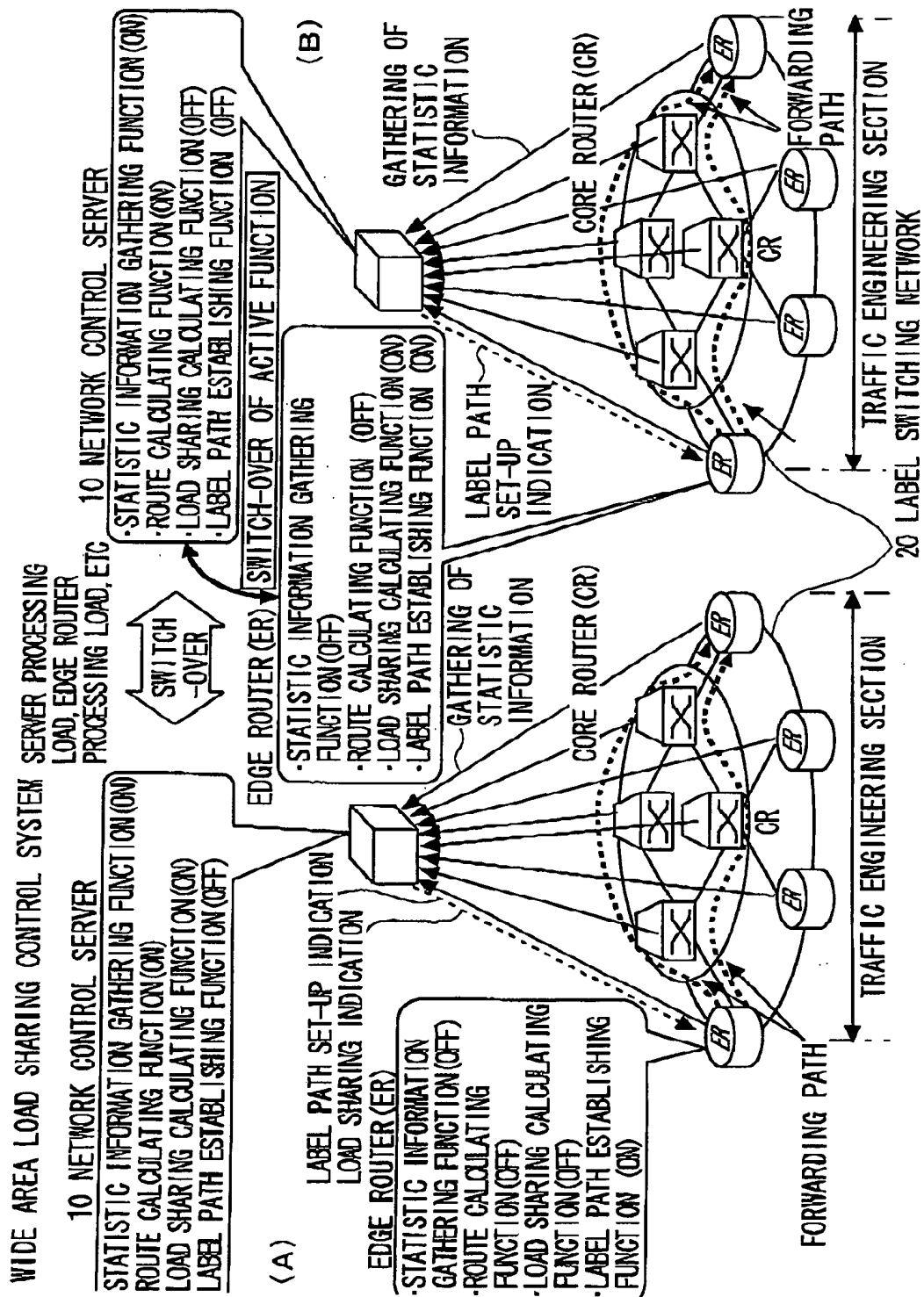


FIG. 2

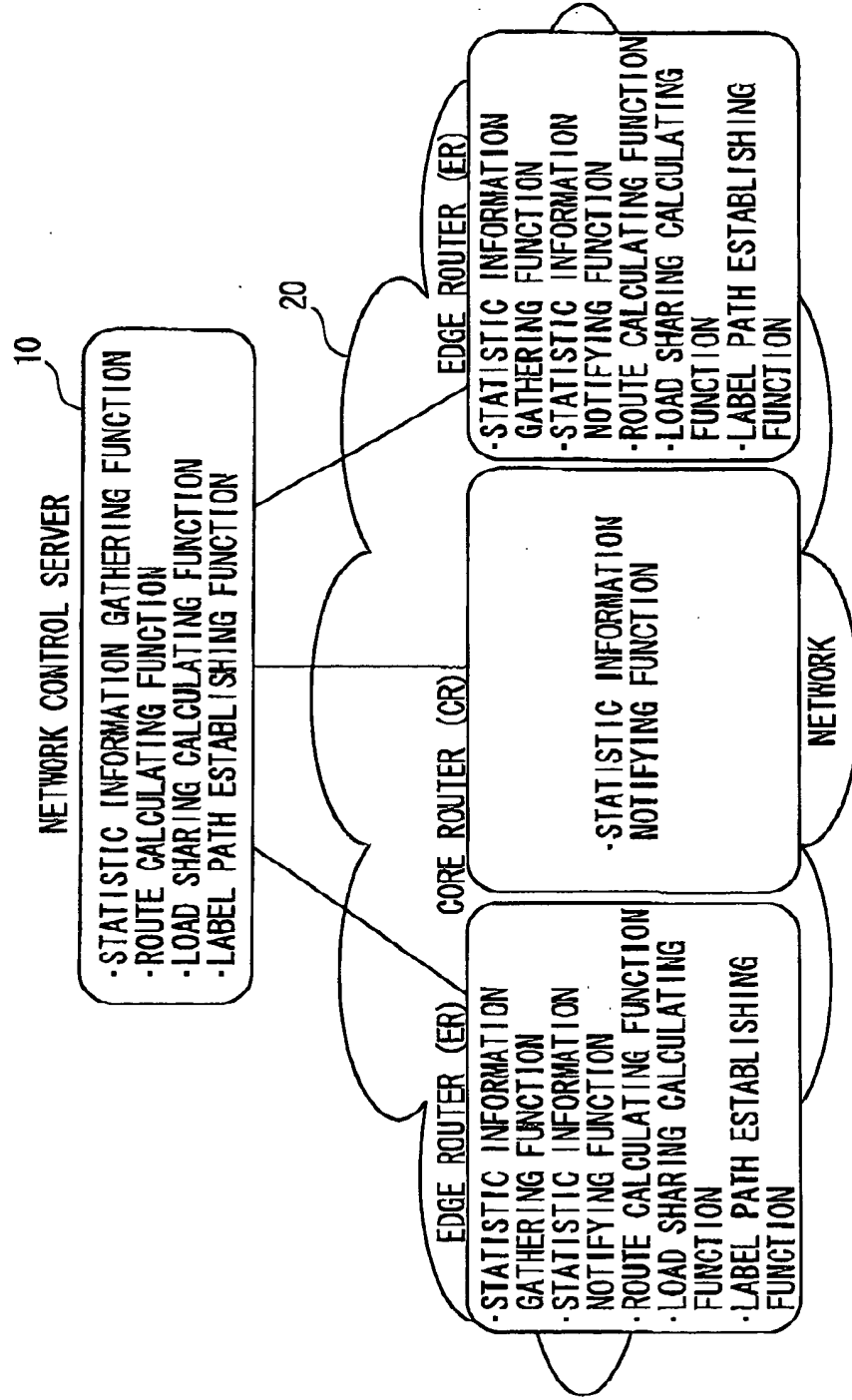


FIG. 3

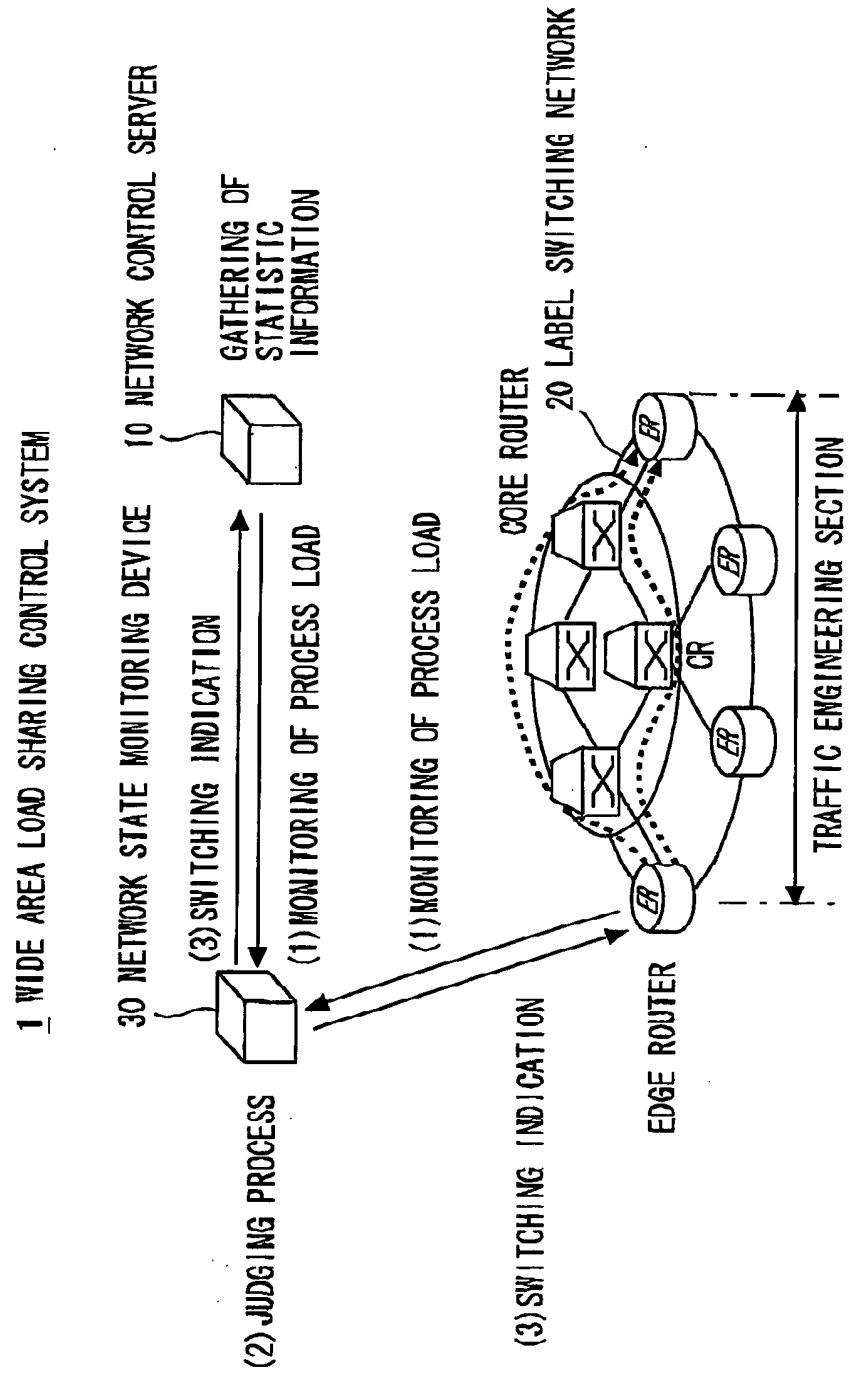


FIG. 4

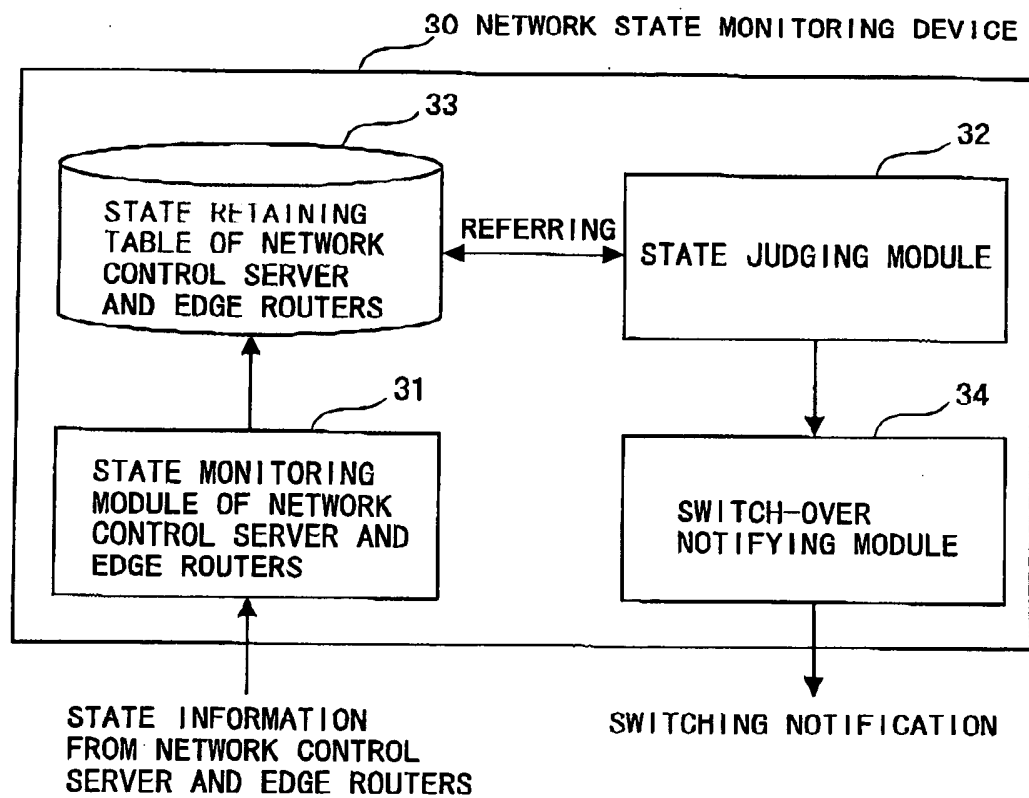


FIG. 5

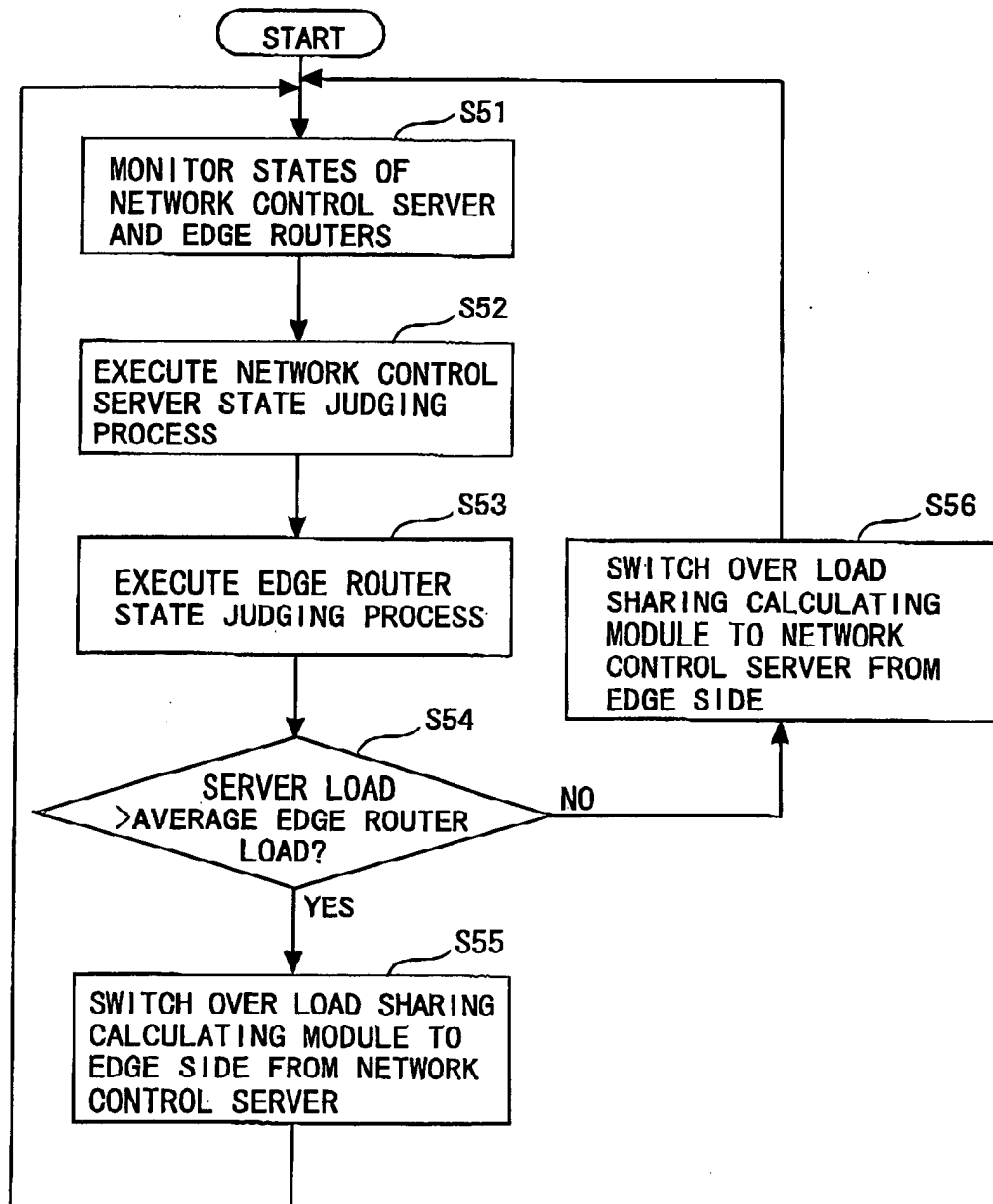


FIG. 6

1 WIDE AREA LOAD SHARING CONTROL SYSTEM

20 LABEL SWITCHING NETWORK

EDGE ROUTER PERFORMING TE

